

Almira Sadykova-DuMond

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Data Scientist/Language Engineer

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Creative, multilingual, team-oriented Data Scientist seeking a position as a Data Scientist/Language Engineer in technology industry. Passionate and highly motivated, with six years of experience in statistical analysis, dataset engineering, and research. Looking to apply statistical and technical skills to generate and visualize insights from natural language databases.

SKILLS

General	Research, Data Cleaning, Querying and Managing Data, Data Visualization, Data Geocoding, Machine Learning, Statistical Analysis
Operating Systems	Windows, Linux
Programming Languages	Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, SpaCy, NLTK) , R (tidyr, dplyr, ggplot2, leaflet, shiny, caret), JavaScript
Other Programming and Software Skills	SQL, HTML & CSS, LaTeX, Microsoft Office, STATA, Git, LexisNexis, VS Code, Jupyter Notebook, Zoom
Language Skills	English (Fluent), Kazakh (Native), Russian (Native level proficiency), Turkish (Fluent), Arabic (Beginner)

PROFESSIONAL EXPERIENCE

Graduate Assistant <i>Binghamton University (SUNY)</i>	August 2018 — Present <i>Binghamton, NY</i>
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- Created an automated events extractor using Python's SpaCy package to parse text and to machine code repression events from news articles in LexisNexis using a rule-based matching
- Used Python's Pygooglenews package to scrape Google News to gather information pertaining to protest and repression events
- Extracted protest locations from unstructured text using Natural Language Toolkit (NLTK) package in Python for CIA-sponsored Mass Mobilization Project
- Geocoded protest locations using Python's GeoPy package
- Created protest location maps and published them as an interactive web application using R's leaflet and shiny packages
- Updated data visualizations on Mass Mobilizations project's website using HTML and CSS
- Taught an upper-level undergraduate class on visualizing political violence data employing Shiny package in R (Winter 2022, Binghamton University)
- Gathering information on counterterrorism curfews in the Middle East using LexisNexis and developing theoretical framework that can be used to assess potential direct and indirect effects of curfew impositions for ongoing dissertation project
- Collected and catalogued data on states' ratification of counterterrorism treaties and states' non-negotiation policies with terrorists to evaluate their effects on terrorist activity using regression analysis

Teaching and Research Assistant <i>Nazarbayev University, Graduate School of Public Policy</i>	July 2016 — July 2018 <i>Nur-Sultan, KZ</i>
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- Served as instructor of record for recitation sections of 25-60 students focusing on statistical concepts and statistical software (e.g. STATA, Excel)
- Proctored and graded examinations for introductory statistical courses
- Calculated student grades using Moodle software for submission to university's registrar office
- Coded large-N survey data using Excel for university faculty

Public Relations Manager <i>Kazakhtelecom JSC</i>	July 2012 — April 2014 <i>Nur-Sultan, KZ</i>
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- Prepared and organized external communications and press releases for senior executives
- Oversaw large scale advertising budget and procurement of contracts with regional news outlets
- Communicated directly with consumers using social media presence to ensure customer satisfaction

Translator <i>Akgun Software</i>	July 2010 — July 2012 <i>Nur-Sultan, KZ</i>
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- Performed software localization of health information systems from Turkish to Kazakh and Russian languages for local hospitals
- Conducted written and oral translations for technical documents and business executive meetings
- Updated company marketing materials through translation and redevelopment for Kazakhstani consumers

EDUCATION

Degrees

Doctor Of Philosophy, Political Science , <i>Binghamton University, State University of New York</i>	August 2018-Present
Master of Arts, Political Science , <i>Binghamton University, State University of New York</i>	December 2019
Master of Arts, Political Science , <i>Nazarbayev University (Nur-Sultan, KZ)</i>	May 2016
Bachelor of Arts, Journalism , <i>L.N. Gumilyov Eurasian National University (Nur-Sultan, KZ)</i>	May 2012

Certificates

Software Development Bootcamp , <i>Code The Dream</i>	July 2022-Present
Applied Machine Learning in Social Science Research , <i>ICPSR (Ann Arbor, MI)</i>	July 2020
Introduction to R , <i>ICPSR (Ann Arbor, MI)</i>	July 2020
Regression Analysis , <i>National University of Singapore (Singapore)</i>	July 2015